

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. § 371

Attorney Docket No.
W51.12-0016

U.S. Application No.
10/506521

INTERNATIONAL APPLICATION
PCT/FR03/00679

INTERNATIONAL FILING DATE
03 March 2003 (03.03.2003)

PRIORITY DATE CLAIMED
4 March 2002

TITLE OF INVENTION
METHOD FOR PROCESSING A SIGNAL USING AN APPROXIMATE MAP ALGORITHM AND CORRESPONDING USES

APPLICANT(S) FOR DO/EO/US
ROUXEL, Alexandre

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
 2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
 3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (12) indicated below:
 4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).
 5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
 6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☒ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
 7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
 8. ☐ An English language translation of the amendment to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
 9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
 10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).
- Items 11 to 20 below concern document(s) or information included:**
11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and .198.
 12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.
 13. ☒ A **FIRST** preliminary amendment.
 14. ☒ An Application Data Sheet under 37 CFR 1.76
 15. ☐ A substitute specification.
 16. ☐ A change of power of attorney and/or address letter.
 17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
 18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
 19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
 20. ☒ Other items or information:
 - a. ☒ Copy of Search Report.
 - b. ☐ Abstract typed on a separate page.
 - c. ☒ 4 sheets of drawings.
 - d. ☐ International Preliminary Examination Report.

BEST AVAILABLE COPY

DT09 Rec'd PCT/PTO 03 SEP 2004


U.S. APPLICATION NO. 10/506521	INTERNATIONAL APPLICATION NO. PCT/FR03/00679	ATTORNEY'S DOCKET NUMBER W51.12-0016
21. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492(A)(1)-(5)): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO.....\$1080.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO.....\$920.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO.....\$770.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO But all claims did not satisfy provisions of PCT Article 33(1)-(4).....\$730.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4).....\$100.00		CALCULATIONS PTO USE ONLY
ENTER APPROPRIATE BASIC FEE AMOUNT =		\$920.00
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$0.00
CLAIMS	NUMBER FILED	NUMBER EXTRA
Total claims	24 - 20 =	5
Independent claims	2 - 3 =	0
MULTIPLE DEPENDENT CLAIM (S) (if applicable)		+ \$290.00
TOTAL OF ABOVE CALCULATIONS =		\$1010.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.		\$
SUBTOTAL =		\$1010.00
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f))		\$0.00
TOTAL NATIONAL FEE =		\$1010.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property.		\$0.00
TOTAL FEES ENCLOSED		\$1010.00
		Amount to be: refunded \$
		charged \$

- a. ☐ A check in the amount of \$_____ to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. 23-1123 in the amount of \$_____ to cover the above fees.
 A duplicate copy of this sheet is enclosed.
- c. ☒ The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment,
 to Deposit Account No. 23-1123. A duplicate copy of this sheet is enclosed.
- d. ☒ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included
 on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (1.37(a) or (b)) must be filed and granted
 to restore the application to pending status.

Send all correspondence to:

David D. Brush
 WESTMAN, CHAMPLIN & KELLY, P.A.
 Suite 1600 - International Centre
 900 Second Avenue South
 Minneapolis, MN 55402-3319



Signature
 David D. Brush

Name
 34,557
 Registration Number